

542785

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
19 August 2004 (19.08.2004)

PCT

(10) International Publication Number  
WO 2004/069737 A2

(51) International Patent Classification<sup>7</sup>:

C01B

(74) Agents: REMENICK, James et al.; Morrison & Foerster LLP, Suite 300, 1650 Tysons Boulevard, McLean, VA 22102 (US).

(21) International Application Number:

PCT/US2004/002320

(22) International Filing Date: 29 January 2004 (29.01.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2003-21538 30 January 2003 (30.01.2003) JP

(71) Applicants (for all designated States except US): EIKOS, INC. [US/US]; 2 Master Drive, Franklin, MA 02038 (US). TAKIRON CO., LTD. [JP/JP]; 3-13, 2-Chome, Azuchi-machi, Chuo-ku, Osaka (JP).

(72) Inventors; and

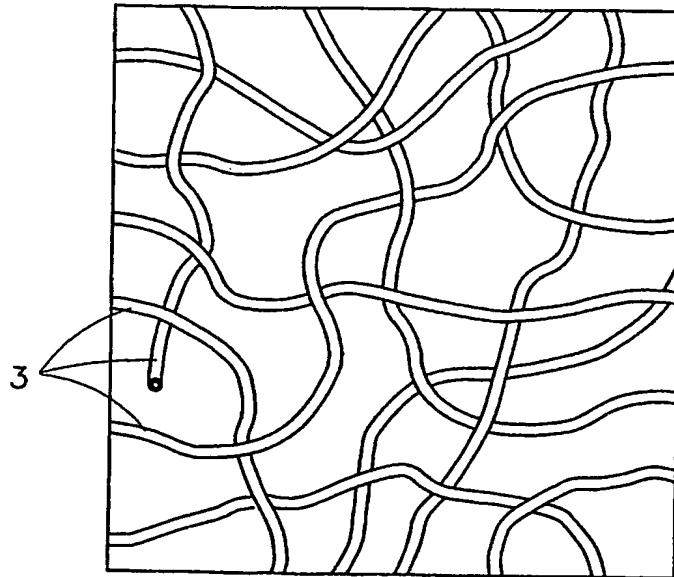
(75) Inventors/Applicants (for US only): GLATKOWSKI, Paul, J. [US/US]; 4 Pinecrest Road, Littleton, MA 01460 (US). PICHE, Joseph, W. [US/US]; 89 Richmond Street, Raynham, MA 02767 (US). SAKAI, Masato [JP/JP]; 3-13, 2-Chome, Azuchi-machi, Chuo-Ku, Osaka (JP). ITO, Hidemi [JP/JP]; 3-13, 2 Chome, Azuchi-machi, Chuo-ku, Osaka (JP).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: ARTICLES WITH DISPERSED CONDUCTIVE COATINGS



(57) Abstract: A conductive article includes a substrate made of a thermoplastic resin, and a transparent and conductive layer comprising carbon nanotubes and formed on at least one face of the substrate. The carbon nanotubes are electrical in contact with each other and dispersed so that each of the carbon nanotubes is separated from other carbon nanotubes, or that each of bundles of the carbon nanotubes is separated from other bundles.

WO 2004/069737 A2



**Published:**

— *without international search report and to be republished upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*